Index of Claims

| App | licatior | n/Control | No. |
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Applicant(s)/Patent under Reexamination

09/700,610

NISHIO ET AL. Art Unit

Examiner

2617

James Sheleheda

Rejected Allowed

| - | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
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| o | Objected |

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| Cla         | im       |           | _      |  |          |              | Dat      | e                  |              |                |  |     | Cla  | im       |  |  |  |              | Date         | е            |  |   |
| Final       | Original | 1919      | 100    |  |          |              |          |                    |              |                |  |     | Final  | Original |  |  |  |              |              |              |  |   |
| <u>E</u>    |          | 1         | `<br>_ |  |          |              |          |                    |              |                |  |     | <u> </u>   |          |  |  |  |              |              |              |  |   |
| <u> </u>    | 1        | ¥         | _      | $\vdash$   | _        | ⊢            | ┼        | ╀                  |              | <u> </u>       |  |     |  | 51       | -  |  | -  | -            | -            | <del> </del> | -  | ⊬ |
| <u> </u>    | 2        | Н         | L      | L  |          | ┡            | ↓_       | ╄                  | <u> </u>     | -              | _  |     |  | 52       |  |  |  | _            |              | ├            | _  | ⊢ |
| <u> </u>    | 3        | Н         | _      | _  | _        | ⊢            | ┼        | $\vdash$           | ⊢            | ├—             | _  |     |  | 53       | $\vdash$   |  |  |              | -            | -            |  | ┢ |
|             | 4        | Н         | Н      |  | <u> </u> | <b>├</b>     | $\vdash$ | ┼-                 | -            | <u> </u>       | -  |     |  | 54       | Н  |  |  | <u> </u>     | <del> </del> | -            | <u> </u>   | ⊢ |
| L           | 5        | Ц         | Ш      |  |          | <u> </u>     | ↓_       | ╄                  | <del> </del> | _              | _  |     |  | 55       | Н  |  | _  |              | ┡            | ┡            | <u> </u>   | ┞ |
|             | 6        | Ľ         | L      | <u> </u>   | L        | Ļ            | _        | <u> </u>           | ╙            | L              | _  |     |  | 56       | Щ  |  |  | ╙            | <u> </u>     | _            | <u> </u>   | L |
|             | 7        | L         | L      | _  |          | Ļ.,          | ↓_       | 1                  | ļ            | ┡              | ļ  |     |  | 57       | Ш  |  | _  |              | Ļ            | ļ            | _  | ┡ |
|             | 8        | L         | L      | <u> </u>   | <u> </u> | <u> </u>     | _        | _                  | ↓_           | <u> </u>       | L  |     |  | 58       | Н  |  | $\vdash$   | _            | <u> </u>     | <u> </u>     | <u> </u>   | ┡ |
|             | 9        | L         | L      | <u> </u>   | <u> </u> | Ļ            | <u> </u> | <u> </u>           | ┞-           | <b>└</b>       | <u> </u>   |     |  | 59       | Ш  |  | _  | _            |              |              |  | L |
|             | 10       | L         | L      | _  | _        | L            | <u> </u> | <u> </u>           | ┞-           | <u> </u>       | ļ  |     |  | 60       | Ш  |  | _  | _            |              | _            | _  | L |
|             | 11       | L         | L      | _  | _        | ↓_           | ₩        | ╄                  | ļ            | ļ.,            |  |     |  | 61       | Ш  |  | <u> </u>   | <u> </u>     | <u> </u>     | <u> </u>     |  | ▙ |
|             | 12       | Ļ         | L      | _  | L        | ↓_           | ┞        | ┞-                 | <u> </u>     | <u> </u>       | _  |     |  | 62       | Ш  |  | <u> </u>   | L            | <u> </u>     | ┡            |  | L |
|             | 13       | L         | L      | ╙  | <u> </u> | ┖            | ┡        | ╄.                 | 1            | <u> </u>       | _  |     |  | 63       | ļ  |  | _  | <u> </u>     | <u> </u>     | <u> </u>     |  | L |
|             | 14       | L         | L      | L  | <u> </u> | ╙            | 1        | ↓_                 | igspace      | <u> </u>       |  |     |  | 64       | Ш  |  | L.   | _            | <u> </u>     | <u> </u>     | <u> </u>   | L |
|             | 15       | L         | L      | 匚  | ┖        | ┖            | 1        | ┸                  | <u> </u>     | Ļ              | L  |     |  | 65       |  |  |  | _            | <u> </u>     | ļ            |  | L |
| <u></u>     | 16       | L         | L      | <u> </u>   | ┖        | L            | ┸        | $\perp$            | <u> </u>     | <u> </u>       | L.   |     |  | 66       | Ш  |  | _  | _            | L            | ┞            | _  | L |
|             | 17       | L         | L      | ļ  | <u> </u> | ┖            | ↓_       | ╙                  | 上            | <u> </u>       | L  |     |  | 67       | Ш  |  | ·  |              | ⊢            | <u> </u>     | 1_   | L |
|             | 18       | L         | L      |  | _        | ┖            | 丄        | $oldsymbol{\perp}$ | ╙            | <u> </u>       | <u> </u>   |     |  | 68       |  |  | _  | <u> </u>     | ㄴ            | L            | _  | ┞ |
|             | 19       | L         | L      |  | _        | <u> </u>     | ┸        | ┸                  | ļ            | _              | L  |     |  | 69       |  |  | L  | <u> </u>     | <u> </u>     | _            | _  | L |
|             | 20       | Ļ         | L      |  | <u> </u> | <u> </u>     | ┸        | $\perp$            | $oxed{oxed}$ | <u> </u>       |  | [ ' |  | 70       |  | _  | _  | Ļ.,          | <u> </u>     | ┡            | ļ  | L |
| L           | 21       | Ļ         | L      | _  | L        | ↓_           | 丄        | ↓_                 |              | <u> </u>       |  |     |  | 71       | _  | _  | _  | <u> </u>     | ┞            | <u> </u>     | _  | Ļ |
| L           | 22       | H         | L      | $oxed{oxed}$                                     | <u></u>  | 1_           | ╄        | ┸                  | <u> </u>     | ļ_             |  |     |  | 72       | Щ  |  | _  | <u> </u>     | <u> </u>     | L            | <u> </u>   | ╀ |
| <u></u>     | 23       | Ц         | L      | ļ  | <u> </u> | <u> </u>     | _        | $oldsymbol{\perp}$ | <u> </u>     | ↓_             | ļ  |     |  | 73       | _  | _  | _  | ļ            | ┡            | <del> </del> | <u> </u>   | ╀ |
| ļ           | 24       | 3         | 7      | <u> </u>   | <u> </u> | ļ            | $\perp$  | ╀                  | ↓_           | ļ              | _  |     |  | 74       | _  | _  | ⊢  | <del> </del> | ╀            | -            | ⊢  | ╀ |
| <u></u>     | 25       | ╄         |        | ┞  |          | +            | ┿        | ┼                  | ┼            | $\vdash$       | <u> </u>   |     |  | 75       | $\vdash$   | _  | -  | ⊢            | <b>├</b>     | ╄            | <u> </u>   | ╀ |
| <u> </u>    | 26       | ╀         | _      | <u> </u>   | <u> </u> | ╄            | ╄        | ╄                  | ├-           | ┝              | -  |     |  | 76       |  |  |  | ⊢            | ⊢            | ├-           | ├  | ╀ |
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| <u> </u>    | 28       | ╀         |        | ⊢  |          | <del> </del> | +        | +                  |              | ├              | $\vdash$   | ł   |  | 78       | ⊢  | <u> </u>   | ┝  | ┝            | ┾            | ⊢            | ┢  | ⊢ |
| <b>├</b>    | 29       | ╀         |        | <del> </del>                                     | -        | ╄            | +        | ╀                  | ╀            | ╀              | ├-   | ł   |  | 79       | ┢  | -  | -  | ╁            | ├            | ╁            | ┢  | ╁ |
| -           | 30       | ╀         | _      | <del> </del>                                     | -        | ⊢            | ┿        | ╁                  | ┾            | -              | -  | ł   |  | 80       | -  | <del> </del>                                     | $\vdash$   | $\vdash$     | ┼            | ₩            | ⊢  | ╁ |
|             | 31       | ╀         | _      | ⊢  | ┢        | ╄            | ╀        | ╁                  | ┼-           | ╁              | -  | ł   |  | 81<br>82 | <del> -</del> -                                  | ⊢  |  | ├            | ╁            | ┼—           | -  | ╁ |
|             | 32       | ╀         | _      | ⊢  | ╁        | ╁            | ╁╌       | ┿                  | ╁            | <del> </del> - | ╁  | 1   |  | 83       | ┢╌   | $\vdash$   | -  | ╁            | $\vdash$     | +-           | ┢╌   | ╁ |
| <b>—</b>    | 33<br>34 | +         | _      | $\vdash$   | -        | ╁            | ╁        | +-                 | +            | 1              | <del>                                     </del> | ł   |  | 84       | $\vdash$   | $\vdash$   | -  | $\vdash$     | $\vdash$     | +            | +-   | H |
|             | 35       | ╁         | _      | ┢  | $\vdash$ | ╁            | +        | +                  | +-           | +              | ├  | ł   | <del></del>                                      | 85       | -  | -  | $\vdash$   | +-           | $\vdash$     | +            | ┼  | ۲ |
| -           | 36       | +         |        | $\vdash$   | -        | ╁            | +        | +                  | 1            | +              | +-   | 1   | _  | 86       | -  | $\vdash$   | +-   | $\vdash$     | $\vdash$     | +-           | $\vdash$   | ╁ |
| $\vdash$    | 37       | +         | _      | ┼  | $\vdash$ | +            | +        | +                  | +            | +-             | ┢  | 1   | <b></b>  | 87       | <del>                                     </del> | $\vdash$   | <del> </del>                                     | $\vdash$     | +-           | 1            | t  | t |
| <u> </u>    | 38       | +         | -      | $\vdash$   | $\vdash$ | +            | +        | +                  | +-           | $\vdash$       | ╁─   | 1   | -  | 88       | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     | +-           | +            | $\vdash$   | + |
| $\vdash$    | 39       | $^{+}$    |        | $\vdash$   | +        | 十            | +        | +                  | +            | +              | +  | 1   |  | 89       | $\vdash$   | <u> </u>   | ╁.   | 1            | T            | $\vdash$     | <del>                                     </del> | t |
| <del></del> | 40       | t         | _      | <del> </del>                                     | $\vdash$ | t            | ╁╌       | +-                 | +            | $\vdash$       | t  | 1   |  | 90       | $\vdash$   | $\vdash$   | Н  | ✝            | †            | 1            | <del>                                     </del> | t |
| <b></b>     | 41       | +         |        | $\vdash$   | $\vdash$ | ╁            | +        | +                  | +            | +              | $\vdash$   | 1   | <u> </u>   | 91       | $\vdash$   | $\vdash$   | H  | $t^-$        | T            | T            | $\vdash$   | t |
| $\vdash$    | 42       | +         | _      | $\vdash$   | $\vdash$ | 十            | +        | +                  | $\vdash$     | t              | $t^-$  | i   |  | 92       | $\vdash$   | ╁  | <del>                                     </del> | T            | t            | T            | T  | † |
| $\vdash$    | 43       | t         |        | 1  | $\vdash$ | t            | +        | +-                 | +            | $t^-$          | T  | 1   | <del> </del>                                     | 93       | <del> </del>                                     | $\vdash$   | ✝  | t            | $\vdash$     | T            | T  | † |
| <b>—</b>    | 44       | +         | _      | $t^-$  | $\vdash$ | $^{\dagger}$ | +        | $\top$             | ╁┈           | T              | <del>                                     </del> | 1   | $\vdash$   | 94       | <b>†</b>   | $\vdash$   | t  | 1            | T            | $t^-$        | <del>                                     </del> | † |
| $\vdash$    | 45       | t         | _      | t  | $\vdash$ | †            | $\top$   | +                  | T            | $\vdash$       | $\vdash$   | 1   |  | 95       | <u> </u>   | $I^-$  | T  | t            | T            | T            | <del>                                     </del> | t |
| 1           | 46       | t         |        | <del>                                     </del> | t        | T            | 1-       | $\top$             | †            | +-             | T  | 1   |  | 96       | $\vdash$   | 1  | 厂  | T            | $\vdash$     | $\vdash$     | t  | T |
|             | 47       | t         | -      | T  | T        | T            | +        | +-                 | T            | T              | T  | 1   | <del>                                     </del> | 97       | <del>                                     </del> | <del>                                     </del> | 1  | $t^-$        | $t^-$        | $\top$       | 1  | T |
|             | 48       | t         |        | T  | T        | T            | +        | +                  | † -          | $\top$         | T  | 1   | <u> </u>   | 98       | 1  | 1  | 1  | T            | T            | Τ            |  | T |
|             | 49       | t         |        | T  | T        | $\dagger$    | +        | $\top$             | †            | T              | t  | 1   | T  | 99       | T  | Г  | T  | T            | Τ            | T            | $\vdash$   | T |
|             | 50       | $\dagger$ | _      | 1  | T        | T            | T        | $\top$             | T            | T              | Т  | 1   |  | 100      | T  | Т  | Т  | T            | Τ            | T            | T  | T |
|             |          | _         | _      | ٠  | _        | _            |          |                    |              | _              | -  | •   |  |          |  | ٠  | •-   | -            | ٠            |              |  | _ |

| Cla      | im       |          |             |          |                                     | ate      | ;            |          |          |          |
|----------|----------|----------|-------------|----------|-------------------------------------|----------|--------------|----------|----------|----------|
|          | - 1      | T        | $\neg \neg$ | $\neg$   | $\neg$                              | П        | $\Box$       |          |          |          |
| Final    | Original |          |             |          |                                     |          | į            |          |          |          |
|          | 51       |          |             |          |                                     |          |              |          |          |          |
|          | 52       |          |             |          | $\Box$                              |          |              |          |          |          |
|          | 53       |          |             |          |                                     |          |              |          |          |          |
|          | 54       |          |             |          |                                     |          |              |          |          |          |
|          | 55       |          |             |          |                                     |          |              |          |          |          |
|          | 56       |          |             |          |                                     |          | $\Box$       |          |          |          |
|          | 57       | _        |             |          |                                     |          | $\Box$       |          |          |          |
|          | 58       | _        |             |          | _                                   | ]        | _            | _        | _        |          |
|          | 59       | _        |             |          |                                     |          | _            | _        |          |          |
|          | 60       | _        |             |          |                                     | _        |              | _        | _        |          |
|          | 61       | _        |             |          |                                     | _        | _            | _        |          |          |
|          | 62       |          | _           |          | $\dashv$                            | -        | _            |          |          |          |
|          | 63       |          |             |          | -                                   | $\dashv$ |              |          | $\vdash$ |          |
| -        | 64<br>65 |          | -           |          | -                                   | $\dashv$ | $\dashv$     | -        | $\vdash$ | _        |
| -        | 66       |          | _           |          | $\dashv$                            | -        |              | -        | $\vdash$ |          |
| -        | 67       | -        |             | _        | -                                   | $\dashv$ |              | $\dashv$ | $\vdash$ |          |
| -        | 68       |          | _           |          |                                     | $\neg$   | -            | -        |          |          |
| _        | 68<br>69 |          |             |          |                                     | $\dashv$ | $\neg$       |          |          |          |
|          | 70       |          | -           |          | $\neg$                              |          |              |          |          |          |
| -        | 71       |          |             |          |                                     |          |              |          |          |          |
|          | 71<br>72 | $\neg$   |             |          |                                     |          |              |          |          | _        |
|          | 73       |          |             |          |                                     |          |              |          |          |          |
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| ļ        | 80       | _        |             |          |                                     |          |              |          |          |          |
|          | 81       |          |             | $\vdash$ |                                     |          | _            |          | $\perp$  |          |
| ļ        | 82       |          |             |          |                                     | _        |              |          |          |          |
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| -        | 84<br>85 | $\vdash$ | _           | $\vdash$ | _                                   |          | H            |          | $\vdash$ | H        |
| -        | 86       | $\vdash$ | _           | ├        | $\vdash$                            | $\vdash$ |              | -        | H        | _        |
| -        | 87       | Н        |             | -        | H                                   |          | -            |          | $\vdash$ |          |
| <u> </u> | 88       | Н        |             | $\vdash$ | -                                   |          |              | _        | ┢        | $\vdash$ |
|          | 89       | $\vdash$ | _           | <u> </u> | _                                   |          | $\vdash$     | -        |          | H        |
|          | 90       | Н        |             | $\vdash$ | Н                                   | $\vdash$ |              | -        |          | <u> </u> |
|          | 91       |          | _           |          |                                     |          | $\vdash$     | $\Box$   | $\vdash$ |          |
|          | 92       |          | Т           |          | П                                   |          | П            |          | Г        | Т        |
|          | 93       |          |             |          |                                     |          |              |          |          |          |
|          | 94       |          |             |          |                                     |          |              |          |          |          |
|          | 95       |          |             |          |                                     |          |              |          |          |          |
|          | 96       |          | _           |          | _                                   | _        | $oxed{oxed}$ |          | ļ        |          |
| L        | 97       | Ш        | <u>_</u>    |          | <u> </u>                            | _        | $\sqcup$     |          | L_       | _        |
| <u> </u> | 98       |          | _           |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | igsqcut      | L.       | _        | _        |
|          | 99       | Щ        | _           | <u> </u> | ⊢                                   | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | _        |
|          | 1100     | . 1      |             |          |                                     |          |              |          |          |          |

| Cla         | aim   | Date   |  |  |  |          |  |          |             |                 |  |  |
|-------------|---|--|--|--|--|----------|--|----------|-------------|-----------------|--|--|
|             |   |  |  |  | Ť  |          |  |          |             | $\dashv$        |  |  |
| Final       | Original  |  |  |  |  |          |  |          |             |                 |  |  |
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|             | 102   |  |  |  |  |          |  |          |             |                 |  |  |
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|             | 105   |  |  | _  | Ш  |          |  | _        |             | _               |  |  |
|             | 106   | Н  |  |  | $\blacksquare$                                   |          |  |          |             | _               |  |  |
|             | 107   | $\vdash$   |  |  |  |          | $\vdash$   |          |             | $\dashv$        |  |  |
|             | 100   | Н  |  | _  | H  |          | _  |          |             | $\dashv$        |  |  |
|             | 110   | Н  |  | -  | -  |          |  |          |             | $\exists$       |  |  |
|             | 111   | Н  |  |  |  |          |  |          |             |                 |  |  |
|             | 112   | Н  |  |  |  | П        |  |          |             |                 |  |  |
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|             | 117   | Н  | -  | <u> </u>   | $\vdash$   |          | $\vdash$   |          |             | Н               |  |  |
|             | 118   | Н  | <u> </u>   | _  | $\vdash$   | <u> </u> | H  | <b></b>  |             | ${oxed{H}}$     |  |  |
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|             | 120   | H  | -  |  | <del> </del>                                     |          | ┝  |          |             | Н               |  |  |
|             | 122   | $\vdash$   | _  | ┢  | $\vdash$   | $\vdash$ | _  |          | -           | H               |  |  |
| <del></del> | 123   | $\vdash$   |  | <u> </u>   | _  |          |  |          | <del></del> | H               |  |  |
|             | 124   |  |  |  |  |          |  |          |             | Н               |  |  |
|             | 125   |  |  | Г  |  |          |  |          |             |                 |  |  |
|             | 126   |  |  |  |  |          |  |          |             |                 |  |  |
| L           | 127   |  |  |  | _  |          |  | L        |             | Ш               |  |  |
|             | 128   |  |  |  |  | L        | _  | _        | _           | Ш               |  |  |
|             | 129   |  | _  |  | ┡  | <u> </u> | _  |          | <u> </u>    |                 |  |  |
| <b></b> -   | 130<br>131<br>132   | -  | <u> </u>   |  | ⊢  |          | <u> </u>   |          | -           | Н               |  |  |
|             | 132   |  | ┝  |  | ├  | -        |  |          | ├─          | Н               |  |  |
| <b> </b>    | 133   |  | $\vdash$   | $\vdash$   | ┢  | $\vdash$ | $\vdash$   | -        | $\vdash$    | Н               |  |  |
|             | 133<br>134  | Н  | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$ | ┢           | Н               |  |  |
| $\Box$      | 135   | Г  |  |  | $I^-$  | Ι-       |  | Г        |             | П               |  |  |
|             | 135<br>136  |  |  |  |  |          |  |          |             |                 |  |  |
|             | l 137   |  |  |  |  |          |  |          |             |                 |  |  |
|             | 138<br>139  | <u> </u>   | <u> </u>   | L  | <u> </u>   | _        | <u> </u>   |          | _           | Ш               |  |  |
| <u> </u>    | 139   | <u> </u>   | $\vdash$   | <u> </u>   | <b>!</b>   | _        | _  | <u> </u> | <u> </u>    | Ш               |  |  |
| <u> </u>    | 140   | $\vdash$   | -  | <u> </u>   | <u> </u>   |          | <u> </u>   | ⊢        | $\vdash$    | $\vdash\vdash$  |  |  |
| <u> </u>    | 141   | $\vdash$   | $\vdash$   | -  | $\vdash$   | $\vdash$ | $\vdash$   | ├        | -           | Н               |  |  |
|             | 143   | $\vdash$   | -  | $\vdash$   | $\vdash$   | $\vdash$ | -  |          | $\vdash$    | -               |  |  |
|             | 144   | <del>                                     </del> | $\vdash$   |  | $\vdash$   | $\vdash$ | <del>                                     </del> | $\vdash$ |             | -               |  |  |
|             | 145   | $\vdash$   |  | $\vdash$   | $\vdash$   |          | H  | $\vdash$ |             | Н               |  |  |
|             | 146   | 1  |  | T  | T  |          | T  | T        |             |                 |  |  |
|             | 147   |  | L  |  |  |          |  |          |             |                 |  |  |
|             | 148   |  |  |  |  |          |  |          |             |                 |  |  |
|             | 149   |  |  |  |  |          |  |          |             |                 |  |  |
|             | 150   |  |  |  |  |          | <u> </u>   |          |             |                 |  |  |